

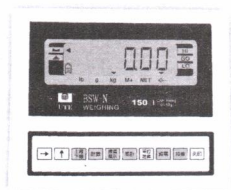
# ELECTRONIC WEIGHING SCALE

## OPERATION MANUAL

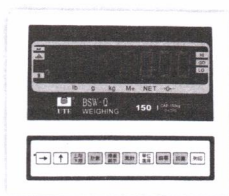
**MODEL NO : UWA-N  
BSW-N / BSW-Q**



UWA-N



BSW-N



BSW-Q

**Note:**

1. Please recharge the scale before first operation.
2. Please warm-up the scale over 5 minutes.

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You have purchased a quality precision weighing instrument that requires handling with care. Read entire contents of this Operation Manual prior to operating your new instrument.

### **Disclaimer Notice**

Calibrate your instrument using reference weights of the appropriate tolerance (class).

An instrument can be no more accurate than the standard to which it has been compared.

For assistance in the selection of reference weights, please contact the factory.

Caution: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

### **Introduction**

Thank you for choosing one of our instruments. Your instrument is designed and manufactured to the most rigorous standards in order to give you years of service. First, check the contents of the shipping carton. You should find the following:

**\*Manual \*Instrument \*Power cable**

Next, follow the instructions for installing your instrument.

Now you are ready to begin using your instrument. To take advantage of its many features, carefully read your operating manual. It contains step-by-step procedures, examples, and other vital information.

Warning: Use of this product in a manner not specified by the manufacturer may impair any safety protection provided by the equipment.

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## Specification

### 1. UWA-N

Capacity	3Kg	6Kg	15Kg	30Kg
Division-A	0.5g	1g	2g	5g
Division-B	0.2g	0.5g	1g	2g
Division-C	0.1g	0.2g	0.5g	1g
Mini. Cap.	10g/4g/2g	20g/10g/4g	40g/20g/10g	100g/40g/20g
Pan size	285 x 240 mm			
Power	AC: 110V/220V; DC:4V 4Ah			

### 2. BSW-N/ BSW-Q

Capacity	60Kg	150Kg	300Kg
Division-A	10g	20g	100g
Division-B	5g	10g	50g
Division-C	2g	5g	----
Mini. Cap.	200g/100g/400g	400g/200g/100g	2kg/1kg
Pan size	400 x 500 mm (size can be changed as customers' request)		
Power	AC: 110V/220V; DC:4V 4Ah		

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## Preparation

This product is intended for indoor use.

- Select a suitable work area.
- Work area should be relatively free from drafts and vibrations.
- Work surface should be level and rigid.
- Do not locate near magnetic materials or equipment/instruments which use magnets in their design.
- Avoid areas which have variations in room temperatures or have excessive room temperatures. Room temperatures above 40°C or 0°C could affect instrument operation and accuracy.

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## ■ Function keys



Numeric keys. Used for setting numeric data for tare weight, sample number, sample weight, or limit number of checking.



To calculate total weight.



Captures a new center of zero.



Reduce gross weight on pan as tare weight.



Units convert key



To display the total weight.



To clear data



To set hi-low limitation.



Used for counting function.



Used for setting numeric data for tare weight, sample number, sample weight, or limit number of checking.



Function key

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## ■ Operation

### A. Getting Started

Turn the instrument on by pressing the power switch on.


The display will down count from 999999... while the unit is being updated.

Allow the unit to warm-up for 5 minutes.


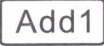
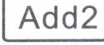


### B. Taring (zeroing)

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All models have taring (zeroing) capabilities up to their total weight capacity.

1. Place sample container on pan and then press the  key, and ▼ will point to ->0<- on the display.
2. Now place sample in its container.
3. When the scale is stable, the display shows the weight of the sample.



#### C. Accumulation function

1. Press  key to accumulate the sub-total weight one. (Please sure the scale is stable, and ▼ will point to M+ on the display.) It displays: 
2. The next accumulation must be return to zero and get a new Weight. It displays: 
3. Press  key to show the total times promptly, and then shows **grand-total**.
4. Press  key to delete all data in **grand-total**, and return to normal weight display.


#### D. HI / LO Check weigh functions (The function is closed before leave factory)

Hold on the key  , till it displays 'on' or 'off' to turn on or off this function.

#### D-1 UWA-N hi/lo operation:






1. Use the  key to enter the OVER / UNDER limit settings.
2. It will display "L0.0000". Use numeric key and  key to set the low limitation you need.

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3. It will display "H0.0000". Use numeric key and  key to set the low limitation you need.
4. Please be sure that hi limitation must higher than lo limitation.
5. Clear the Hi-Lo setting.






**D-1 BSW-N/ BSW-Q hi/lo operation:**

1. Use the key to enter the OVER / UNDER limit settings.
2. It will display "L0.0000". Use key  and  key to set the low limitation you need.
3. Press the key  it will display "H0.0000". Use key  and  key to set the hi limitation you need.
4. Please be sure that hi limitation must higher than lo limitation.
5. Clear the Hi-Lo setting.



**E.Counting Function** (The function is closed before leave factory)

- Hold on the key , till it displays 'on' or 'off' to turn on or off this function.
- a. Count the desired amount sample pieces (10, 20, 50, 100 total pieces) and place on the pan.
  - b. Press the  to display total numbers of 10, 20, 50, 100. The number will cycle, press the  again to select sample size once it is displayed.

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**Programme**

Turn on the scale, and press the key → → .

The display will shows .

Press key for entering setting and confirm setting.

Press or key for setting and goes to next step.

The programme sequence as follows:

Display	Option	Parameter
F1-dIU	Division	1 2 5 10 20 50
F2-PNt	Decimal point	00.0 0.00 0.000 0.0000
F3-CAP	Capacity	If cap is 30kg, 30.000
F4-CAL	Calibration	only use for distributor
F5-trA	Zero-tracking	0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0
F6-USr	Quick calibration	See below
F7-LIt	Backlight switch	Au: light during operation; press the key  to set backlight time. On: always light Off: no backlight. Use  to on or off.
F8-bUd	Baud rate	2400 4800 9600*19200 (9600,for connect to printer and PC)
F9-odE	Print mode	0 not print 1 press "P" to print 2 auto print when weighing 3 continuous print
FA-oFF	Auto turn off	5 10 15 20 25 30 dis
Fb-ALr	Hi-low alarm range	In our off
FC-nus	Unit on or off	① : U1=kg U2=g U3=lb ② : Def U1 on U2 on U3 off

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### Calibration

F06-USr (Quick calibration)

When it displays **F6-USr**

Press the key **P**

It display **0.000** **PUT**

Put any **STANDARD WEIGHT** on the pan. After a little while,

It will display **F6-USr**, press the key **CE**.

The scale will finish calibration.

### Recharge

1. When to recharge

a. After turning on the scale or in usage, the figures keep shinning, which means the power of battery is not full. It is time to recharge. If it needs to use, it may continue about ten hours.

b. When the message "Lo-bAT" appears, which indicate the power of battery is exhausted. Please turn off the power switch immediately and begin to recharge the battery to prolong its life.

2. Recharge Notes

It will take 6-8 hours to full the battery.

### Maintenance

1. Please take good care of the scale for it's a precision instrument.
2. Place an object on the pan softly in less to destroy load cell for the power of moment hit is too heavy.
3. In order to keep the scale in formal; please recharge the battery in time.

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